

elcometer®
inspection equipment



Elcometer 415
Industrial Paint & Powder
Thickness Gauge

Elcometer 415 Industrial Paint & Powder Thickness Gauge

The new Elcometer 415 Industrial Paint & Powder Thickness Gauge provides simple, fast and accurate coating thickness measurements on smooth and thin industrial paint and powder coated surfaces.

new

Large easy to read values in microns or mils

Zero or smooth (2 point) calibration ensures accuracy on smooth & thin coated substrates

Easy to use, ergonomic design provides maximum comfort for continuous use

Incredibly fast (60+ readings per minute), reducing inspection times, increasing productivity

Measures cured paint & powder coatings up to 1000µm (40mils)

360°
AUTO
ROTATING
SCREEN

Auto rotating large colour display provides clear visibility whatever the angle of measurement

Scratch, solvent & water resistant display protects against the elements

Transfer live data via USB or Bluetooth® to ElcoMaster® for instant report generation

Rugged & resistant to dust or powder coatings equivalent to IP64, ideal for modern industrial & powder coating environments

Switches instantly between ferrous & non-ferrous substrates without interruption ¹

Ideal for measuring dry film thickness on thin coated substrates.

360° auto rotating display for a clear reading at any measurement angle, on the production line or QA station.

Transfer live data via Bluetooth® to PC, Android™ or iOS mobile devices ²

¹ Elcometer 415 FNF models ² Elcometer 415 Model T

Dry Film Thickness - Digital

Industrial Paint & Powder Thickness Gauge

Key Features Explained

“The new Elcometer 415 doesn’t just take a thickness measurement”

In addition to the coating thickness, the new Elcometer 415 displays the key statistical values required to assess the overall industrial finishing; number of readings (n), average coating thickness (\bar{x}), the lowest (Lo) and the highest (Hi) paint thickness.

“Stay accurate with simple calibration”

This new, easy to use, Elcometer 415 has zero and smooth (2 point) calibration, ensuring accurate measurements on smooth & thin industrial paint & powder coated surfaces.

“Each gauge is designed to last”

Robust, durable & powder resistant, the new Elcometer 415 is available with a 2 year manufacturer’s warranty; giving you peace of mind.

“Seamlessly connect to any PC, Android™ or iOS mobile device”

As each measurement is taken, the new Elcometer 415 wirelessly transmits the thickness values via Bluetooth®² or via USB straight into an inspection application or into ElcoMaster®, Elcometer’s mobile app, for instant report generation.

STANDARDS:
AS2331.1.4, AS/NZS 1580.108.1, ASTM B 499, ASTM D 1186, ASTM D 1400, ASTM D 7091, ASTM E 376, BS 3900-C5-6A, BS 3900-C5-6B, BS 5411-11, BS 5411-3, BS 5599, DIN 50981, DIN 50984, ECCA T1, EN 13523-1, ISO 2360, ISO 2808-12, ISO 2808-6A, ISO 2808-6B, ISO 2808-7C, ISO 2808-7D, JIS K 5600-1-7, NF T30-124

Bluetooth

360°
AUTO
ROTATING
SCREEN

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App Store

ANDROID APP ON
Google play

Made for
iPod iPhone iPad

compatible with
ElcoMaster

PDF

Email

Cloud

new

2

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3

Elcometer 415

Industrial Paint & Powder Thickness Gauge

Technical Specification

	Model B	Model B	Model T	Model T
Part Number	A415CFBI	A415FNFBFI	A415CFTI	A415CFNFTI
Calibration Test Certificate	•	•	•	•
Built in probe type	Ferrous	Ferrous / Non-Ferrous	Ferrous	Ferrous / Non Ferrous
Fast accurate reading rate; 60+ readings per minute	■	■	■	■
On screen statistics Number of readings, n; Average (mean), \bar{x} ; Lowest reading, Lo Highest reading, Hi	■	■	■	■
Live data output	USB	USB	Bluetooth® & USB	Bluetooth® & USB
Measurement Range	0-1000µm / 0-40mils			
Operating Temperature	-10 to 50°C / 14 to 122°F			
Relative Humidity (RH)	0 to 95%			
Power Supply	2 x AA Batteries or via USB (rechargeable batteries can also be used)			
Gauge Dimensions (h x w x d)	14.1 x 7.30 x 3.70cm / 5.55 x 2.87 x 1.46"			
Gauge Weight (including batteries)	156g / 5.5oz			
Packing List	Elcometer 415 gauge, 2 x AA batteries, steel & aluminium check pieces*, foil set, wrist strap, impact resistant carry case, screen protector†, calibration test certificate, operating instructions, USB cable†, ElcoMaster CD† & 2 year warranty extension card			

Accessories

T99916925	Calibration Check Piece; Steel (Ferrous)
T99916901	Calibration Check Piece; Aluminum (Non-Ferrous)
T99022255-1	Foil Set; 0-1000µm (0 - 40mils)
T99022255-1C	Certified Foil Set; 0 - 1000µm (0 - 40 mils)
T99921325	USB Cable
T99922341	Self Adhesive Screen Protectors (Pack of 10)

† Model T
* F models: steel check piece; FNF models: steel & aluminium check pieces

Elcometer 415 Model T: Made for iPhone 6 Plus, iPhone 6, iPhone 5s, iPhone 5c, iPhone 5, iPhone 4s, iPhone 4, iPad Air 2, iPad mini 3, iPad Air, iPad mini 2, iPad (3rd and 4th generation), iPad mini, iPad 2, and iPod touch (4th and 5th generation). "Made for iPod," "Made for iPhone," and "Made for iPad" mean that an electronic accessory has been designed to connect specifically to iPod touch, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod touch, iPhone, or iPad may affect wireless performance. iPad, iPhone, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a trademark of Apple Inc., registered in the U.S. and other countries. Suitable for mobile devices running Android software version 2.1 and upwards. Android is a trademark of Google Inc.